

AMENDMENTS TO THE CLAIMS

The following claim set replaces all prior versions, and listings, of claims in the application:

1. (Currently Amended) Cracker apparatus, comprising

- a) a container for providing at least one gaseous crackable source material, which source material container is formed as a mainly cylindrical vessel having a closed first end part, an at least substantially open second end part and a mainly cylindrical mantle part between said first and second end parts, the diameter of the open second end part being substantially the same as the diameter of the cylindrical mantle part, said open second end part forming an outlet opening through which said gaseous crackable source material is arranged to flow out from said container,
- b) dispenser means for receiving said gaseous crackable source material from said container, said dispenser means comprising dispenser valve means for controlling the flow of said gaseous crackable source material through said dispenser means; and
- c) cracker means for receiving said at least one gaseous crackable source material from said dispenser means;

whereby said second end part of the source material container is arranged to be detachably coupled to said dispenser means, and the supply of new source material into the source material container is arranged through said outlet opening when said container is detached from the dispenser means.

2. (Original) The cracker apparatus of claim 1 wherein the interior of the source material container is reachable only through said outlet opening.

3. (Original) The cracker apparatus of claim 1 wherein the area of said outlet opening covers substantially the whole cross-sectional area of said second end part.

4. (Original) The cracker apparatus of claim 1 wherein an electrical heating means is arranged around at least a substantial part of the source material container.

5. (Original) The cracker apparatus of claim 4 wherein a vacuum vessel means is arranged detachably around the source material container and around the electrical heating means whereby a vacuum zone is formed around at least a substantial part of the source material container.

6. (Original) The cracker apparatus of claim 5 wherein the electrical heating means is arranged detachably around at least a substantial part of the source material container.

7. (Original) The cracker apparatus of claim 6 comprising

- at least two substantially concentric metal circles arranged on the outside of the first end part of the source material container, the metal circles arranged in galvanic contact with the electrical heating means, and
- at least two metal rods arranged on the inside of the vacuum vessel means, said metal rods being arranged into galvanic contact with said metal circles when the vacuum vessel means is attached hermetically around the source material container, whereby electrical power for the electrical heating means is arranged from outside of the vacuum vessel means via said metal rods and said metal circles.

8. (Original) The cracker apparatus of claim 1 wherein crackable source material is arsenic.

9. (Currently Amended) A cracker source material container for providing at least one gaseous crackable source material for a cracker means, which source material container is formed as a mainly cylindrical vessel having a closed first end part, an at

SUPPONEN
Serial No. 10/055,037
March 25, 2005

least substantially open second end part and a mainly cylindrical mantle part between said end parts, the diameter of the open second end part being substantially the same as the diameter of the cylindrical mantle part, said open second end part forming an outlet opening through which said gaseous crackable source material is arranged to flow out from said container into said cracker means, which said second end part of the source material container is arranged to be detachably coupled to said cracker means, and the supply of new source material into the source material container is arranged through said outlet opening when said container is detached from said cracker means.